

Patent Abstracts of Japan

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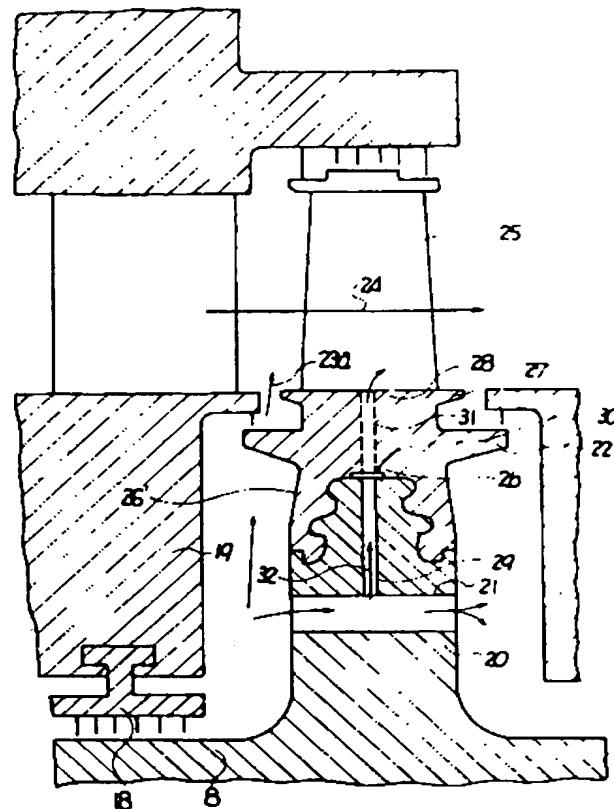
APPLICATION DATE : 22-02-82
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INVENTOR : NOMOTO HIDEO;

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TITLE : COOLING METHOD OF STEAM TURBINE



ABSTRACT : PURPOSE: To improve the cooling effect by letting a cooled steam branch from the middle of a balance hole on a turbine rotor impeller and making it flow through the pad of a blade planting part.

CONSTITUTION: A part of the cooled steam which has passed a nozzle labyrinth 18 flows in the direction of an arrow 23a and joins with a mainstream 24. The rest passes through a balance hole 21 and flows into the next stage except a part 32 which branches to flow into a cooling hole 29, and, flows round in the peripheral direction of a blade planting part 26 via a groove 30 on the internal face of said part 26, further flows through the cooling hole 31 to join with the main stream 24.

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